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Title: SYSTEM AND METHOD FOR SELECTING
THE PLACEMENT OF OPTICAL AMPLIFIERS IN AN

OPTICAL NETWORK

Inventor: Kenneth M. Maxham Atty. Docket No.: 21216-05666

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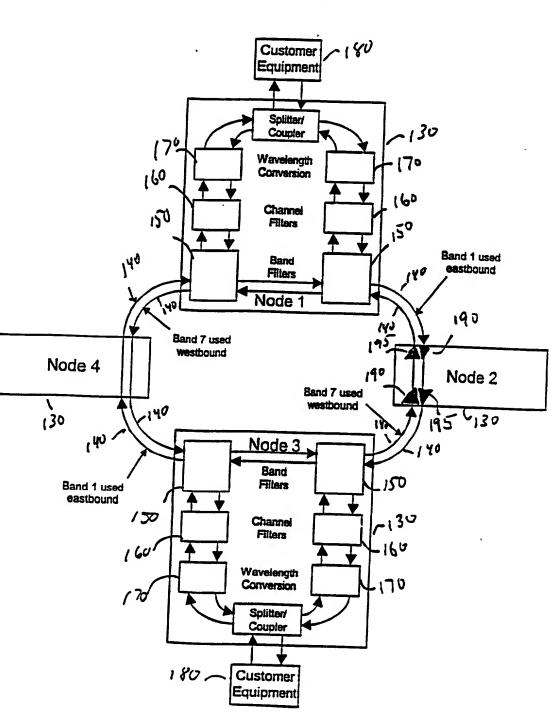
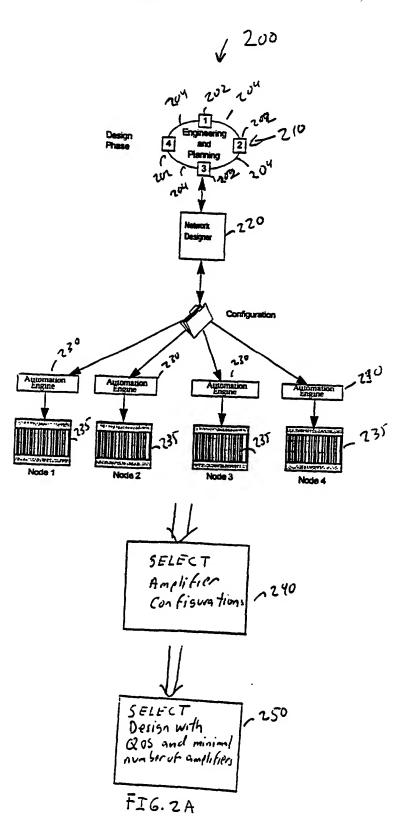


FIG. 1 (prior art)

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i.i.

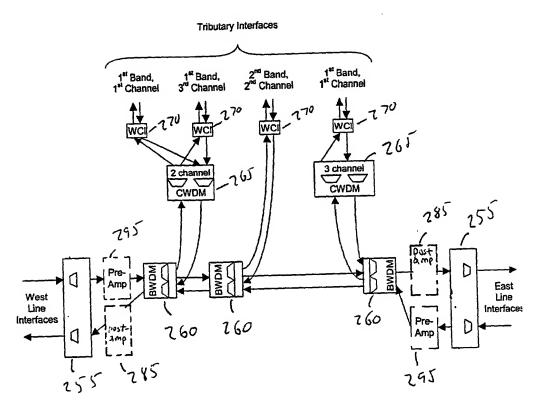
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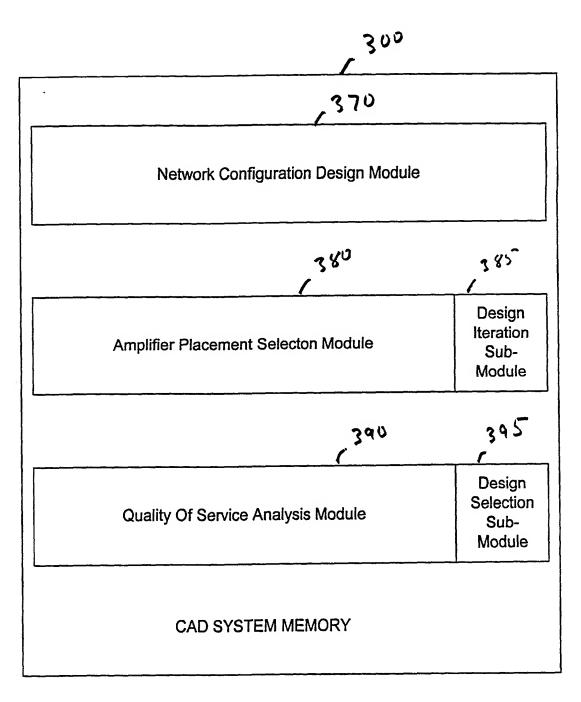


FI6.7B

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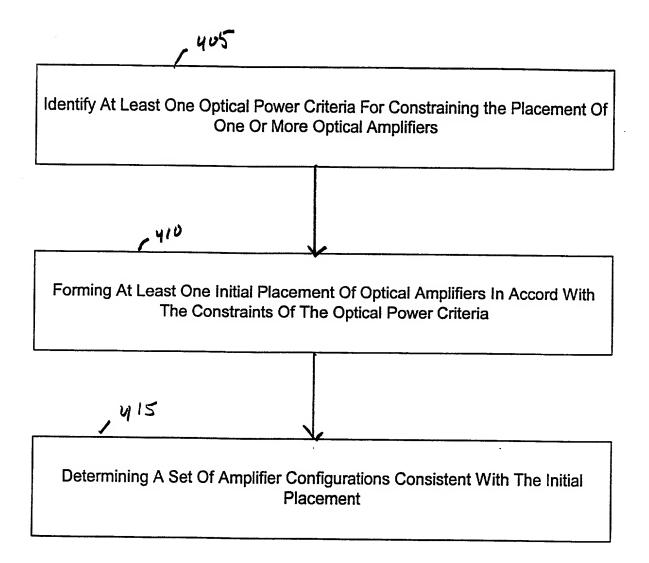


FI6. 3

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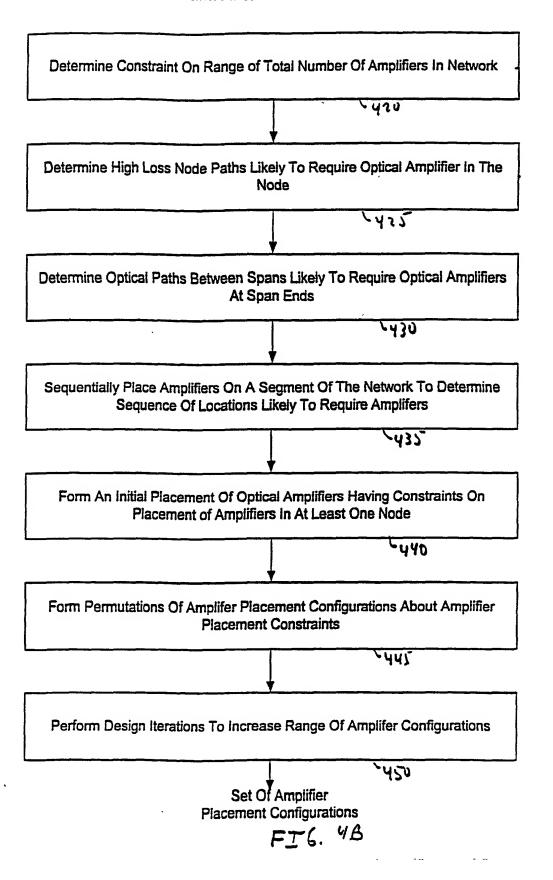


FI6. 4A

OPTICAL NETWORK

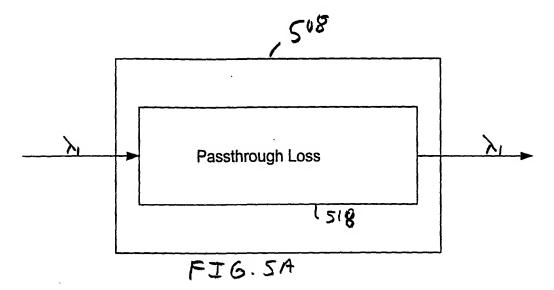
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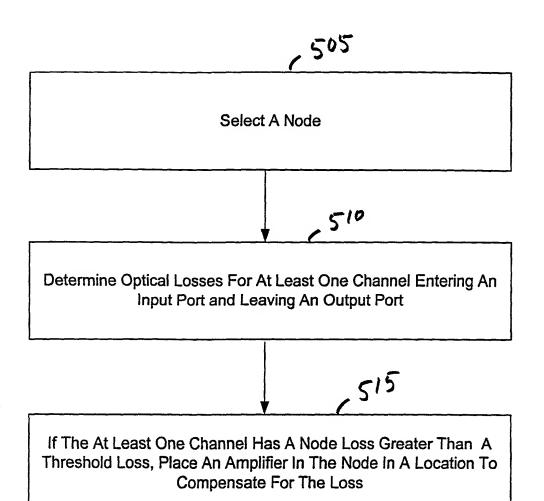
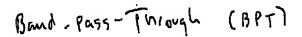


FIG. 58

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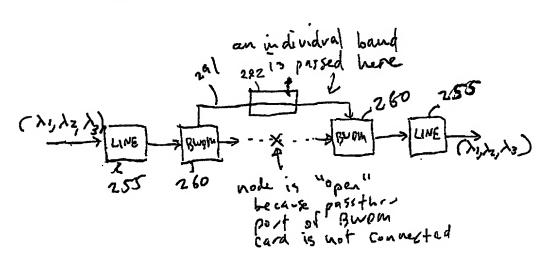
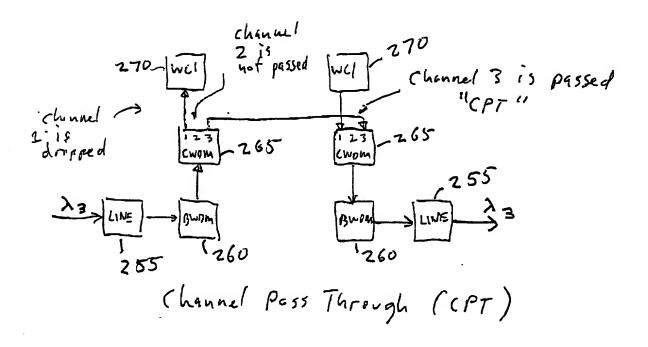


FIG. 6

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1805

Determine A Threshold Path Loss Indicative Of A Minimum Detected Power For A Wavelength Channel

810

Calculate Path Loss Between Transmitter On First Node And Receiver On Second Node

815

Responsive To The Path Loss Being Greater Than The Threshold Loss, Placing At Least One Amplifier Along The Path

FI6.8

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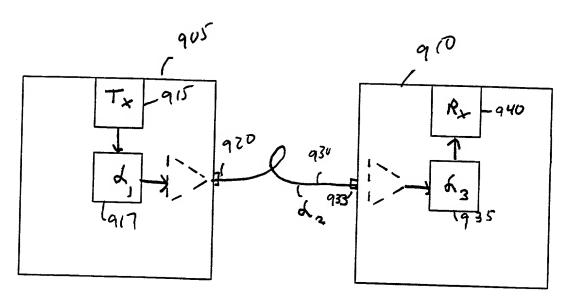
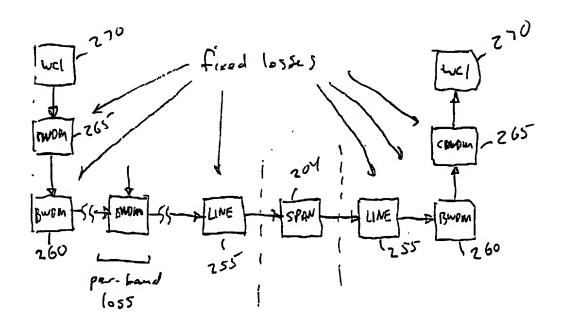


FIG. 9

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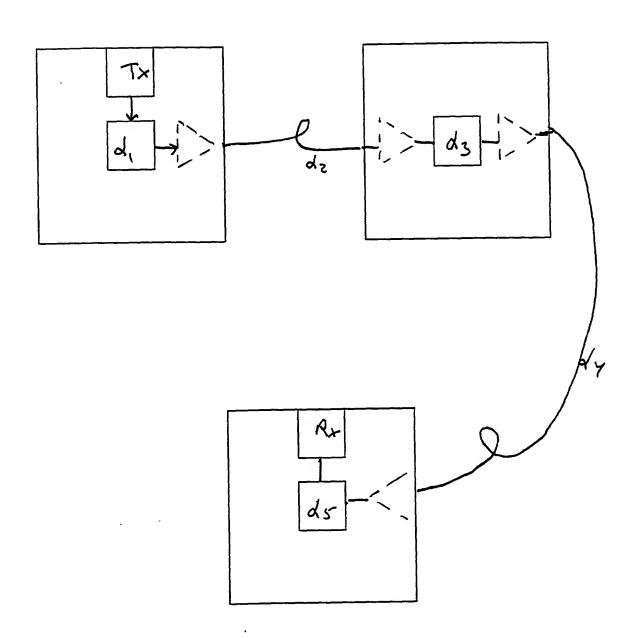
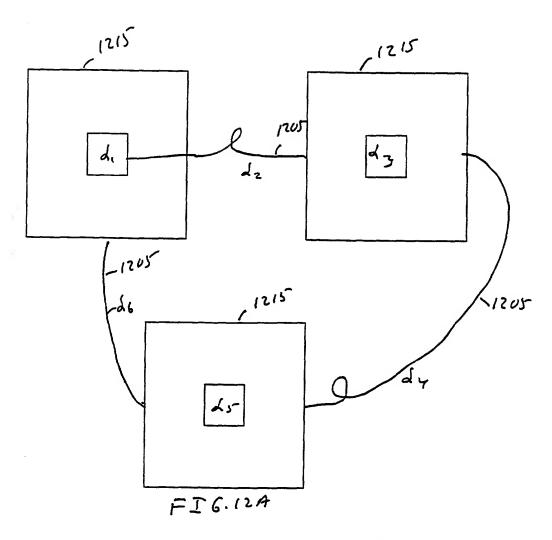


FIG.11

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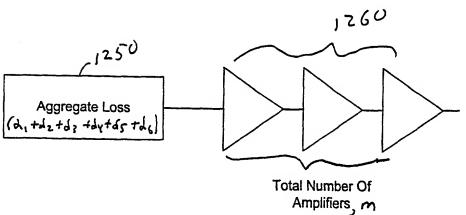
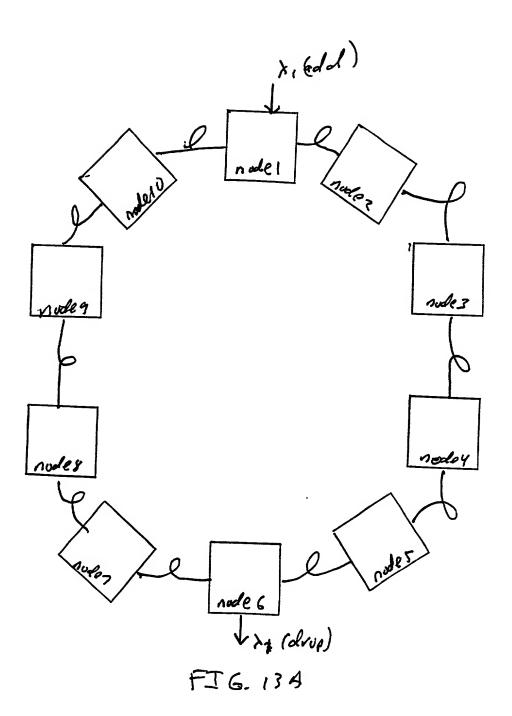


FIG. 12 B

OPTICAL NETWORK

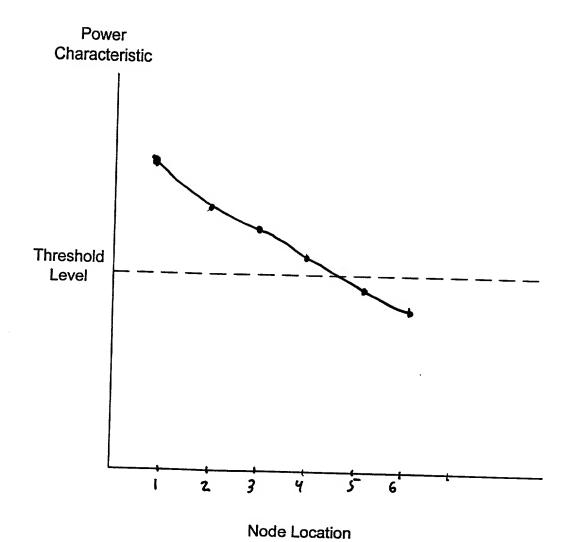
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FJC. 13B

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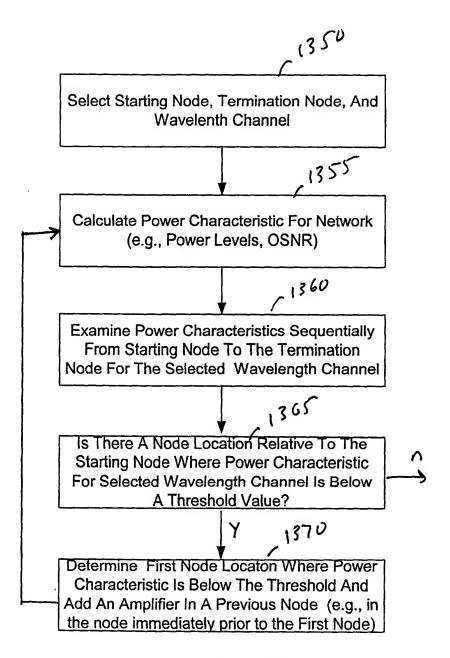


FIG. 13C